

ABSTRACT OF THE DISCLOSURE

A switch element is provided that includes a plurality of input interfaces to receive a plurality of output interfaces. A buffer may couple to the input interfaces and the output interfaces. The buffer may include a plurality of multi-dimensional array of output queues to store the data. Each one of the multi-dimensional output queues may be associated with a separate one of the output interfaces. An arbiter device may select one of the output queues for transmission based on transmit pressure information.

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